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From: Sara Chang
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Business Phone: (310) 785-0140
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Pages: 10
Date/Time: 9/23/2004 11:54:17 AM
Subject: Unsigned reference on 1449 for SN 10/066,187

To Examiner Tat,

Attached is the 1449 with an unsigned reference for SN 10/066,187. Please review, sign it, and return to us. A courtesy copy has also been sent to your desktop fax.

Best regards,
Mani Adeli
310-785-0140 ext. 301

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Substitute for Form 1409A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Street	1	of	9	Application Number	10/066,167
				Filing Date	03/25/02
				First Named Inventor	Steven Teig et al.
				Group Art Unit	3926
				Examiner Name	Tai, B.
				Attorney Docket Number	SPLX.P0033

U.S. PATENT APPLICATIONS

Examiner Initials	Cite Ref. Serial Number	U.S. Patent Application Number	Name of Inventor(s) of Cited Document	Date of Issue 10/066,167	Related Application Data if any
1.	10/066,060	SPLX.P0072	Steven Teig	01-31-2002	Application filed on the same date, with same specification and drawings, but with different summary and abstract.
2.	10/066,160	SPLX.P0073	Steven Teig et al.	01-31-2002	Application filed on the same date, with same specification and drawings, but with different summary and abstract.
3.	10/066,065	SPLX.P0074	Steven Teig et al.	01-31-2002	Application filed on the same date, with same specification and drawings, but with different summary and abstract.
4.	10/066,047	SPLX.P0078	Steven Teig et al.	01-31-2002	Application filed on the same date, with same specification and drawings, but with different summary and abstract.
5.	10/061,641	SPLX.P0079	Steven Teig et al.	01-31-2002	Application filed on the same date, with same specification and drawings, but with different summary and abstract.
6.	10/066,094	SPLX.P0080	Steven Teig et al.	01-31-2002	Application filed on the same date, with same specification and drawings, but with different summary and abstract.
7.	10/076,121	SPLX.P0081	Steven Teig et al.	02-12-2002	Application with similar, but not identical, specification and drawing as the present application.
8.	10/082,965	SPLX.P0105	Steven Teig et al.	01-31-2002	Application filed on the same date, with same specification and drawings, but with different summary and abstract.
9.	10/066,102	SPLX.P0106	Steven Teig	01-31-2002	Application filed on the same date, with same specification and drawings, but with different summary and abstract.
10.	10/230,584	CON.P0037	Steven Teig	10-31-2002	
11.	10/335,087	CON.P0038	Steven Teig et al.	12-31-2002	
12.	10/335,239	CON.P0039	Steven Teig et al.	12-31-2002	

Examiner Signature	Date Considered
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Substitute for form 1449A-PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/966,187
				Filing Date	1/31/2002
				First Named Inventor	Steven Teig et al.
				Group Art Unit	2625
				Examiner Name	Tatj B.
Sheet	2	of	5	Attorney Docket Number	SPLX/F0133
U.S. PATENT APPLICATIONS					
13.	10335,086	CDN/P0040	Steven Teig et al.	1231-2002	

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Case No.	Foreign Patent Document Office Number ¹	Kind Code (Unknown) ²	Date of Publication MM-DD-YYYY	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines, Which Edition Passages or Revised Figures Appear
14.	JP	11-298580		10-29-1999	Matsuimoto et al.	With English translation of Abstract.
	15.	JP 2000-082743		03-21-2000	Igarashi et al.	With Japanese Patent Office's English translation of Abstract; and with English translation of the application.
	15.	JP 64-15947		01-19-1989	Ouchi	With English translation of Abstract.
	17.	JP 03-173471		07-26-1991	Tawada et al.	With Japanese Patent Office's English translation of Abstract; and with English translation of the application.
	18.	JP 04-000877		01-06-1992	Fujihara et al.	With English translation of Abstract.
	19.	JP 05-102305		04-23-1993	Seto	With Japanese Patent Office's English translation of Abstract; and with English translation of the application.
	20.	JP 05-242379		09-21-1993	Kubota	With Japanese Patent Office's English translation of Abstract; and with English translation of the application.

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Substitute for form 1449A-PTO				Application Number:	10/066,187
				Filing Date:	1/31/2002
				First Named Inventor:	Steven Teig et al.
				Group Art Unit:	2825
				Examiner Name:	Tat. B.
Sheet	2	of	5	Attorney Docket Number:	SPLX.F0133
U.S. PATENT APPLICATIONS					
13.	10/335,086	CON.P0040	Steven Teig et al.	1231-2002	

FOREIGN PATENT DOCUMENTS					
Examiner's Initials	Case No.	Foreign Patent Document Number ¹	Kinds Code ² (if known) ³	Date of Publication MM-DD-YYYY	Name of Patentee or Applicant of cited Document
14.	JP	11-296580		10-29-1999	Matsuimoto et al.
15.	JP	2000-082743		03-21-2000	Igarashi et al.
16.	JP	04-15947		01-19-1989	Ouchi
17.	JP	03-173471		07-26-1991	Tawada et al.
18.	JP	04-000877		01-06-1992	Fujiwara et al.
19.	JP	05-102305		04-23-1993	Seto
20.	JP	05-243379		09-21-1993	Kubota

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Substitute for form 1449A/USPTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number 10/066,187
Sheet	2	of	6	Filing Date 1/31/2002
				First Named Inventor Steven Teig et al.
				Group Art Unit 2825
				Examiner Name Tat, B.
				Attorney Docket Number SFLX.F0133
U.S. PATENT APPLICATIONS				
13.	10335,086	CN: P0040	Steven Teig et al.	12431-2002

FOREIGN PATENT DOCUMENTS					
Examiner Initials	Chg. Off.	Foreign Patent Document Office Number	Date of Publication MM-DD-YYYY	Name of Patentee or Applicant of cited Document	Prints, Columns, Lines, With English Translations or Relevant Passages or Relevant Figures Appear With English translation of Abstract
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	15.	JP	2000-082743	03-21-2000	Igarashi et al.
	16.	JP	04-15947	Ouchi	With English translation of Abstract
	17.	JP	03-173471	Tawada et al.	With Japanese Patent Office's English translation of Abstract; and with English translation of the application.
	18.	JP	04-300877	Fujiiwara et al.	With English translation of Abstract
	19.	JP	05-102305	Sato	With Japanese Patent Office's English translation of Abstract; and with English translation of the application.
	20.	JP	05-243379	Kubota	With Japanese Patent Office's English translation of Abstract; and with English

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Substitute for form 1449A/PTO:				Application Number	10/066,187
				Filing Date	12/1/2002
				First Named Inventor	Steven T. Liqig et al.
				Group Art Unit	3625
				Examiner Name	Tet, E.
Sheet	3	of	9	Attorney/Courtier Number	SPLEX-PG133

FOREIGN PATENT DOCUMENTS

					translation of the application with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	
21.	JP	07-086407	03-33-1995	Miura		
22.	JP	09-162279	06-29-1997	Yoshida		

NON-PATENT LITERATURE DOCUMENTS

Examiner's Initials	Citation No.	Indicate name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the book (incl. magazine, journal, serial, symposium, etc.), and publisher, volume-issue numbers, journal or city and date of publication.
23.		Chen, H. C. et al., A Faster Algorithm for Rubber-Band Equivalent Transformation for Planar VLSI Layouts, IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, Vol. 15, No. 2, February 1996, pp. 217-227.
24.		Chip Model with Wiring Cost Map, August 1993, IBM Technical Disclosure Bulletin, ref. 26, issue SA, pp. 625-633
25.		Dayan, T. et al., Layer Assignment for Pusher Band Routing, UCSC-CRL-93-04, January 20, 1993.
26.		Dayan, T., Rubber-Band Based Topological Router, A Dissertation, UC Santa Cruz, June 1997.
27.		Dodd, P. et al., A Two-Dimensional Topological Conductor with Octagonal Geometry, 28 th ACM/IEEE Design Automation Conference, pp. 727-731, July 1991.
28.		Fujimura, K. et al., Homotopic Shape Deformation,
29.		Hama, T. et al., Curvilinear Detailed Routing Algorithm and its Extension to Wire-Spreading and Wire-Fattening.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

4

of

9

Application Number

10/066,187

Filing Date

1/31/2002

First Named Inventor

Steven Teig et al.

Group Art Unit

2825

Examiner Name

Tal B.

Attorney Docket Number

SPLX.P0183

NON PATENT LITERATURE DOCUMENTS

Reference* Key#	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the book, magazine, journal, serial, symposium, catalog, etc., the serial volume issue numbers(s), publisher, city and country where published.
30.	Hama, T. et al., Topological Routing Path Search Algorithm with Incremental Routability Test, IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, vol. 18, No. 2, February 1999, pp. 142-150.	
31.	Kobayashi, K. et al., A New Interactive Analog Layout Methodology based on Rubber-Band Routing, UCSC-CRL-95-12, June 13, 1995.	
32.	Tan, A. et al., A Fast Algorithm To Test Planar Topological Routability, Technical Report 94-012, pp. 1-16.	
33.	Lu, Y., Dynamic Constrained Delaunay Triangulation and Application to Multichip Module Layout, A Thesis for Master of Science, UC Santa Cruz, December 1991.	
34.	Maley, F.M., Testing Homotopic Routability Under Polygonal Wiring Rules, Algorithmica 1996, 15: 1-16.	
35.	Morton, P. B. et al., An Efficient Sequential Quadratic Programming Formulation of Optimal Wire Spacing for Cross-Talk Noise Avoidance Routing, UCSC-CRL-99-05, March 16, 1999.	
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38.	Stanglakovic, D. et al., Surf: A Rubber-Band Routing System for Multichip Modules, pp. 19-26, 1993.	
39.	Su, J. et al., Post-Route Optimization for Improved Yield Using Rubber-Band Wiring Model, 1997 International Conference on Computer-Aided Design, pp. 700-706, November 1997.	
40.	Wei-Ming Dai, W. et al., Routability of a Rubber-Band Sketch, 28 th ACM/IEEE Design Automation Conference, 1991, pp. 45-50.	
41.	Xing, Z. et al., A Minimum Cost Path Search Algorithm Through Tile Obstacles, slide presentation.	
42.	Xing, Z. et al., Shortest Path Search Using Tiles and Piecewise Linear Cost Preparation, IEEE, 2002, pp. 115-153.	
43.	XH, A More Efficient Distance Vector Routing Algorithm, UCSC-CRL-95-16, March 1995.	
44.	Yu, M.-F. et al., Fast and Incremental Routability Check of a Topological Routing Using a Cut-Based Encoding, UCSC-CRL-07-07, April 14, 2007.	

Examiner Signature	Date Considered
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Information Disclosure Statement by Applicant (See as many sheets as necessary)				Application Number	10/050,187
				Filing Date	1/31/2002
				First Named Inventor	Steven Toig et al.
				Group Art Unit	2626
				Examiner Name	Tali B.
Sheet	5	of	8	Attorney Docket Number	SPLX.P0133

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45.	Yu, M.-F. et al., Interchangeable Pin Routing with Application to Package Layout, UCSC-CRL-95-10, April 25, 1995.
46.	Yu, M.-F. et al., Pin Assignment and Routing on a Single-Layer Pin Grid Array, UCSC-CRL-95-15, February 24, 1995.
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49.	Akiba, R. et al., Faster Algorithms for the Shortest Path Problem, Journal of the Association for Computing Machinery, vol. 37, No. 2, April 1990, pp. 213-223.
50.	Alexander, M. et al., Performance-Oriented Placement and Routing for Field-programmable gate arrays, Proceedings of the European Design Automation Conference, pages 20-25, 1995.
51.	Alexander, M. et al., Placement and Routing for Performance-Oriented FPGAs, Layout, VLSI Design, Vol. 7, No. 1, 1990.
52.	Andou, T. et al., Automatic Routing Algorithm for VLSI, 22 nd Design Automation Conference, 1985, pp. 785-788.
53.	Bagga, J. et al., Internal, External, and Mixed Visibility Edges of Polygons.
54.	Berger, B. et al., Nearly Optimal Algorithms and Bounds for Multilayer Channel Routing, Journal of the Association for Computing Machinery, pp. 500-542, March 1995.
55.	Brady, L. et al., Channel Routing on a 60° Grid, extended abstract, pp. 826-831.
56.	Carethers, R., A Method of Measuring Net Routability for MCM's, Gated Area Routing Problems, 1999, pp. 180-192.
57.	Chen, D-S. et al., A Wire-Length Minimization Algorithm for Single-Layer Layouts.
58.	Chen et al., Optimal Algorithms for Bubble Sort Based Non-Manhattan Channel Routing, May 1994, Computer-Aided Design of Integrated Circuits and Systems, IEEE Transactions Volume: 13 Issues, pp. 603-609.
59.	Chen, H., Routing L-Shaped Channels in Nonlicing Structure Placement, 24 th ACM/IEEE Design Automation Conference, pp. 142-146, 1987.

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

6

of

9

Application Number

10/068,137

Filing Date

1/31/2002

First Named Inventor

Steven Teig et al.

Group/Air Unit

2825

Examiner Name

Tal, B.

Attorney Docket Number

SPLX.P0133

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Substitute for Form 1449A/PTO				Application Number	10/166,167
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Filing Date	1/31/2002
(use as many sheets as necessary)				First Named Inventor	Steven Tello et al.
				Group Art Unit	2825
				Examiner Name	Tell, B.
Sheet:	7	of	9	Attorney Docket Number	SPLX-FD133

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STATEMENT BY APPLICANT**

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Sheet

8

of

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Application Number

110066-187

Filing Date

1/31/2002

First Named Inventor

Steven Teig et al.

Group Art Unit

2825

Examiner Name

Tao B.

Attorney Docket Number SPLX.PG133

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Sheet	9	of	9	Filing Date:	1/31/2002
				First Named Inventor:	Steven Teig et al.
				Group Art Unit:	2826
				Examiner Name:	Tat. B.
				Attorney/Docket Number:	SPLX/PD133

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